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200207642

New U.S. Application  
Docket No. 32860-000558/US

### Abstract

~~Method for exchanging detector modules in an X-ray detector in a computer tomograph~~

~~The invention relates to a~~ A method is for exchanging a first detector module (m), in an X-ray detector in a ~~computercomputed~~ tomograph having a module configuration a, for a second detector module (m'), where the first detector module has an associated correction table ( $T_{S(a,m,x)}$ ) for eliminating temperature-dependent signal changes, which is dependent on the respective module configuration of the detector and needs to be ~~which is~~ recreatable following the exchange of a detector module. F

~~The invention is distinguished in that for the first and second detector modules (m, m') in a detector in a reference ~~computercomputed~~ tomograph having the module configuration b, a respective correction table ( $T_{S(b,m,x)}, T_{S(b,m',x)}$ ) is created. D and its differences, preferably only in the area of the channels of the detector module which is to be exchanged, are ascertained. Finally, and the new correction table ( $T_{S(a,m',x)}$ ) for operating the second detector module (m') in the ~~computercomputed~~ tomograph having the module configuration a is calculated by transferring the ascertained difference values to the old correction table ( $T_{S(a,m,x)}$ ).~~

**FIGURE 3**